Attorney Docket No. QST.P.US0002

Reply to Office Action dated November 30, 2007

Amendment dated September 17, 2008

AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions and listings of claims in the

application:

What is claimed is:

1. (Previously Amended) A method for applying a fungicide to a tree, the method

comprising:

applying an aqueous insecticide or plant growth regulator composition to the bark

periderm of woody plants without mechanically penetrating or piercing the bark of

the plant, the insecticide or a plant growth regulator composition including (a) an

insecticide or a plant growth regulator; (b) an organosiloxane surfactant; and (c)

water.

2. (Original) The method of claim 1, where said step of applying includes spraying

an insecticide or a plant growth regulator composition on the bark periderm.

3. (Original) The method of claim 1, where said step of applying includes an

application rate corresponding to applying about 25 to about 125 grams of an insecticide

or a plant growth regulator to six feet of a tree, measured from the base, where the tree

has a diameter breast height of about six inches.

4. (Original) The method of claim 1, where said step of applying includes an

application rate corresponding to applying about 35 to about 105 grams of an insecticide

or a plant growth regulator to six feet of a tree, measured from the base, where the tree

has a diameter breast height of about six inches.

2 of 12

Attorney Docket No. QST.P.US0002

Reply to Office Action dated November 30, 2007

Amendment dated September 17, 2008

5. (Original) The method of claim 1, where said step of applying includes an

application rate corresponding to applying about 45 to about 95 grams of an insecticide

or a plant growth regulator to six feet of a tree, measured from the base, where the tree

has a diameter breast height of about six inches.

6. (Original) The method of claim 1, where said step of applying includes an

application rate corresponding to applying about 50 to about 75 grams of an insecticide

or a plant growth regulator to six feet of a tree, measured from the base, where the tree

has a diameter breast height of about six inches.

7. (Previously Amended) The method of claim 1, where the insecticide or a plant

growth regulator composition includes a solvent selected from the group consisting of

alcohols, glycols, and glycol esters.

8. (Canceled)

9. (Previously Amended) The method of claim 7, where the insecticide or a plant

growth regulator composition includes a surface active agent is selected from the group

consisting alcohol alkoxylates based on branched and linear alcohols containing ethylene

oxide or propylene oxide, alcohol alkoxylate sulfates, nonylphenol alkoxylate containing

ethylene oxide, nonylphenol alkoxylate containing propylene oxide, octylphenols

alkoxylate containing ethylene oxide, octylphenols alkoxylate containing propylene

oxide, fatty amine alkoxylates, butanediols, butyl cellulose ether, butyl carbitol,

propylene glycol, ethylene glycol, mipropylene glycol, diethylene glycol, phosphate esters

of alcohol alkoxylates, phosphate esters of alkylphenol alkoxylates, sorbitan esters,

alkoxylated sorbitan esters and alkylpolyglucosides.

10. (Canceled)

3 of 12

Attorney Docket No. QST.P.US0002

Reply to Office Action dated November 30, 2007

Amendment dated September 17, 2008

11. (Original) The method of claim 1, where the insecticide or a plant growth regulator composition includes from about 0.0001 to about 3.0 parts by weight of the organosiloxane surfactant per part of an insecticide or a plant growth regulator.

- 12. (Original) The method of claim 1, where the insecticide or a plant growth regulator composition includes from about 0.003 to about 0.05 parts by weight of the organosiloxane surfactant per part of systemic fungicide.
- 13. (Previously Amended) The method of claim 9, where the insecticide or a plant growth regulator composition includes from about 0.0001 to about 1.0 parts by weight solvent per part of an insecticide or a plant growth regulator, and where the insecticide or a plant growth regulator composition includes from about 0.0001 to about 2.0 parts by weight surface active agent per part of an insecticide or a plant growth regulator.

14. (Canceled)

15. (Original) The method of claim 1, where the organosiloxane surfactant includes a trisiloxane defined by the formula

$$\begin{array}{c|cccc}
R & R & R & R \\
 & & & & & \\
R & Si & O & Si & O & Si & R \\
 & & & & & & \\
R & & & & & & \\
R & & & & & & \\
Z & & & & & \\
\end{array}$$

where R is a short chain alkyl group, R^1 is an alkylene group, and Z is a polyoxyalkylene group.

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Attorney Docket No. QST.P.US0002

Reply to Office Action dated November 30, 2007

Amendment dated September 17, 2008

16. (Original) The method of claim 15, where the organosiloxane includes a

polyoxyethylene heptamethyl trisiloxane.

17. (Original) The method of claim 1, where said step of applying an insecticide or a

plant growth regulator composition to the bark periderm of woody plants includes

applying the insecticide or a plant growth regulator composition to the bark of the

woody plant in a location from the root flare up to the first branch of the plant.

18. (Original) The method of claim 17, where said step of applying an insecticide or a

plant growth regulator composition to the bark periderm of woody plants includes

applying the insecticide or a plant growth regulator composition to the bark of the

woody plant in a location from the root flare up to the second branch of the plant.

19. (Original) The method of claim 17, where said step of applying includes an

application rate corresponding to applying about 25 to about 125 grams of insecticide or

a plant growth regulator to six feet of a tree, measured from the base, where the tree has

a diameter breast height of about six inches.

20. (Original) The method of claim 17, where said step of applying includes an

application rate in an amount that the insecticide or a plant growth regulator

composition will runoff the bark.

21. (Original) The method of claim 17, where the bark periderm of the woody plant

to which the insecticide or a plant growth regulator composition is applied consists

essentially of that portion between the root flare and the first branch.

5 of 12

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Attorney Docket No. QST.P.US0002

Reply to Office Action dated November 30, 2007

Amendment dated September 17, 2008

22. (Original) The method of claim 21, where the bark periderm of the woody plant to which the insecticide or a plant growth regulator composition is applied consists that portion between the root flare and the first branch.

23. (Previously Presented) The method of claim 1, where the insecticide is a systemic insecticide selected from the group consisting of nitroguanidine, acetamprid, imidaclorprid, spinosad, abamectin, pyriproxfen, pymetrozine, clofentezine, hexythiazox, diflubenzuron, chlorfenapyr, novaluron, diflubenzon, azadicrchtin, and fenpyroximate.

24. (Previously Presented) The method of claim 1, where the plant growth regulator is a systemic plant growth regulator selected from the group consisting of antiauxins, auxins, cytokinins, defoliants, ethylene inhibitors, ethylene releasers, and gibberellins.

25. (Previously Presented) The method of claim 15, where the insecticide is a systemic insecticide selected from the group consisting of acetamprid and imidaclorprid.